

ALUMINUM ENTRANCES

Kawneer Architectural Products

Aluminum Wall Systems

Aluminum Entrances

Aluminum Store Fronts

Aluminum Sealair Windows

Wall Facings

Aluminum Canopies/Louvers



1960
catalog

KAWNEER

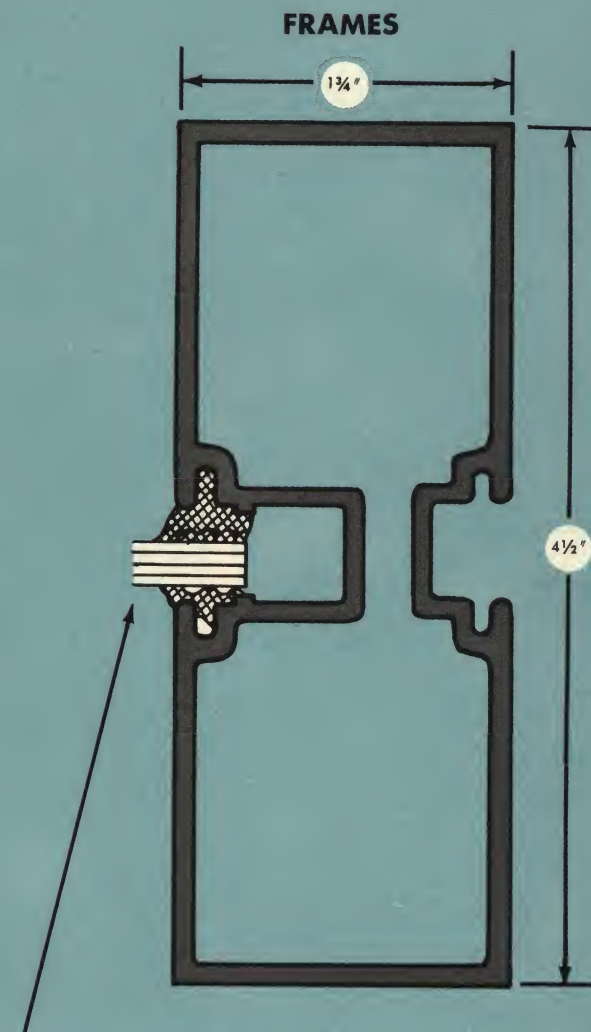
KAWNEER

narrow line

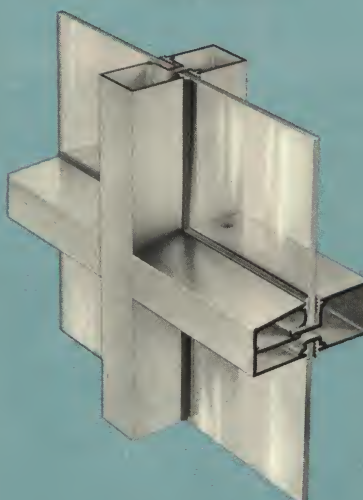
**THE COMPLETE STOCK
ENTRANCE PACKAGE
FROM ONE SOURCE**



Now Kawneer provides this most important innovation in today's entrances. It is now possible to specify the complete entrance — all aluminum, Narrow Line door, frame and concealed overhead closer — by Kawneer and installed by your Kawneer Installing Dealer. This assures you of undivided responsibility.



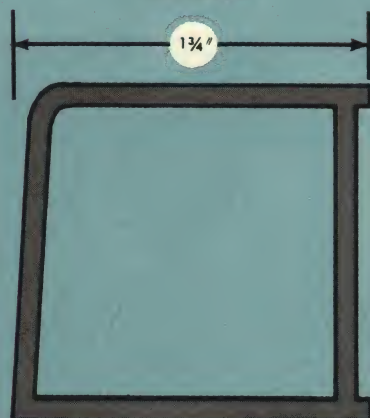
FLUSH GLAZING



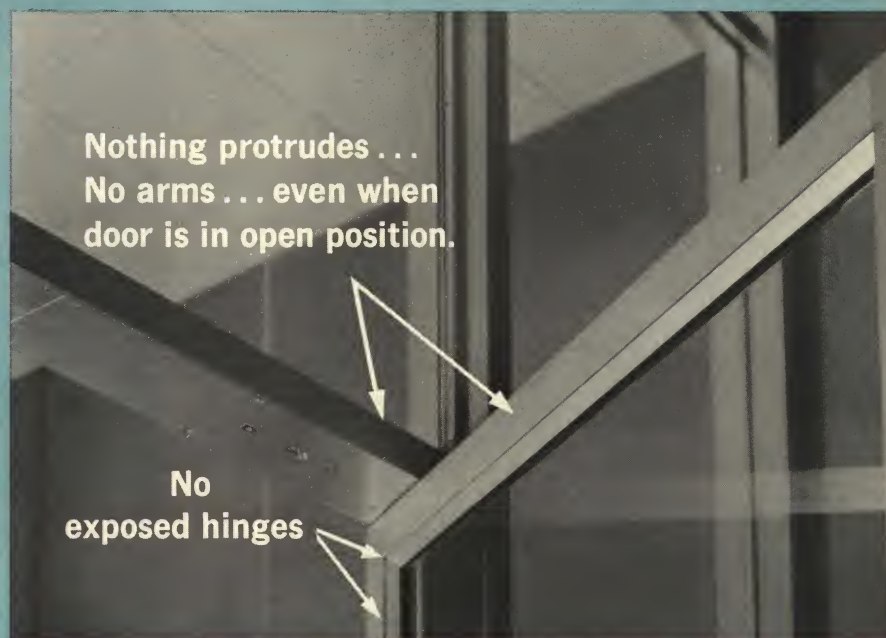
Simple design provides true flush glazing and clean modern appearance pleasing to the eye. Resilient dry glazing throughout.

Copyright 1959 Kawneer Company

DOORS



with **EXCLUSIVE KAWNEER**
concealed overhead closer



Nothing protrudes . . .
No arms . . . even when
door is in open position.

No
exposed hinges

First entrance with a totally concealed overhead closer!

You can't see it, you can't find it. It's completely concealed . . . not on the door or in the floor, but *inside* the transom bar. (See page 10.)

PLUS YOUR SELECTION OF CUSTOM HARDWARE ON A STOCK DOOR

Maximum Security Locks



The exclusive Maximum Security dead lock makes Kawneer doors more secure than ordinary narrow stile doors.

The exclusive full length weathering helps eliminate drafts and heat loss in cold weather . . . seals in air conditioned air during hot summer months.

Push Bars and Pull Handles



Identification Hardware:

To highlight your entrance and to give the personalized touch, Kawneer offers a wide range of push-pull hardware options for your selection. (See pages 20 and 23.)

KAWNEER narrow line

OTHER ENTRANCE TYPES

CONTINENTAL HARDWARE



The rich black push-pull grips featured with Continental hardware add a look of elegance to Kawneer's narrow or wide stile doors. (See page 23.)

COLORWARE



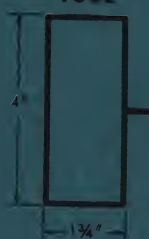
Narrow line doors may be accented with colorful push-pulls and glass stops. (See page 23.)

OPTIONAL FRAMES

SPLIT



TUBE



A selection of frame types and sizes are offered to fill your design and structural requirements. (See pages 18 and 19.)

AUTOMATIC



A totally new concept in automatic entrance design, operation and installation.

For the first time you can specify an automatic entrance with an electric operating mechanism engineered for use with the door it operates. (See pages 14 and 15.)

WIDE STILE



For jobs requiring a more massive and bold design the Kawneer wide stile door is a logical selection. Entrances for institutional, educational or monumental building types requiring special hardware application can best be handled by this exceptionally rugged yet proportionately styled door. (See pages 16 and 17.)

PANEL



The Kawneer Panel Door offers unlimited color and design opportunities. Design it in *your* choice of colors with *your* choice of cutout arrangements. The basic door is the Kawneer deep weld narrow line door. The wide stile door may also be used. (See page 19.)

PANIC



Underwriter's Laboratory listed — the rugged Kawneer Concealed Panic Device can be your solution to clean design to handle heavy school or public building traffic. Engineered and designed specifically for Kawneer doors. (See page 22.)

narrow line ENTRANCES

6 - 15

Flushed Glazed
Entrance Walls

6 - 7

Wind Limitations

8

Specifications

9

Stock Entrances

10 - 13

Automatic Entrances

14 - 15

Wide Stile Entrances

16 - 17

Optional Frames

18 - 19

Panel Doors

19

Hardware Selection

stock hardware

20 - 21

panic device

22

colorware

23

continental hardware

23

District Offices

24

KAWNEER narrow line

FLUSH GLAZED ENTRANCE WALLS

DETAILS 1/4-SIZE
(3" = 1'-0")

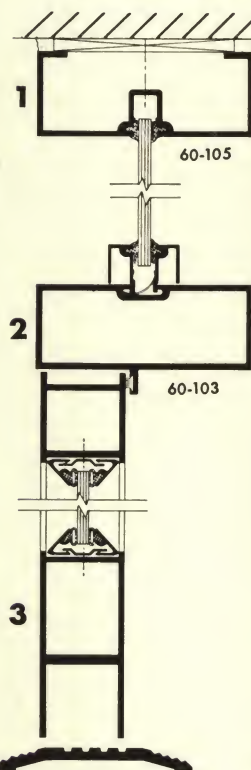
Developed in answer to architect demands for clean unencumbered lines - Kawneer Narrow Line Framing System.

This system is ideally suited for single story curtain wall and entrance walls where economy must be achieved without sacrificing architectural standards of quality.

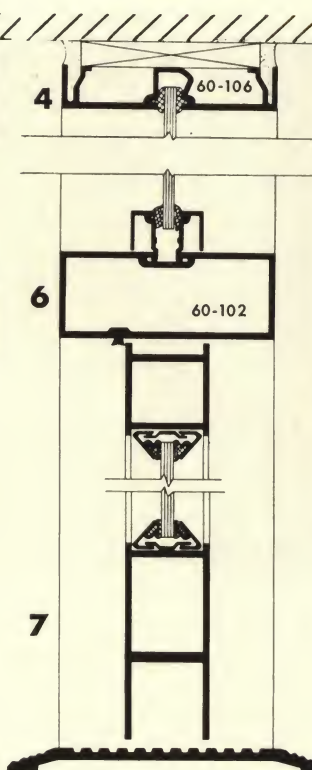
Narrow Line is Kawneer's standard framing.



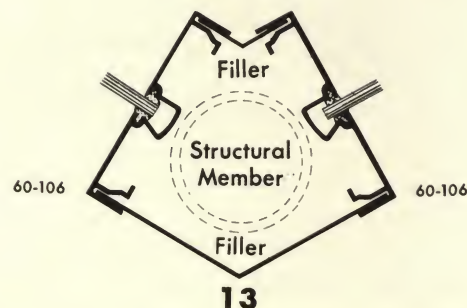
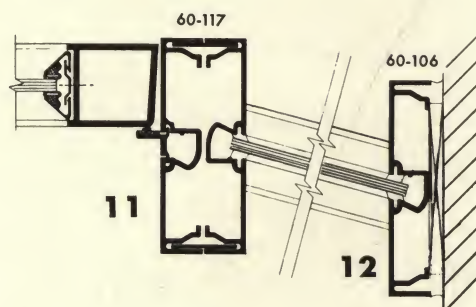
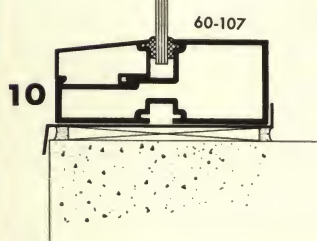
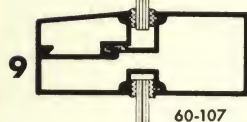
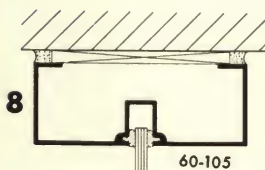
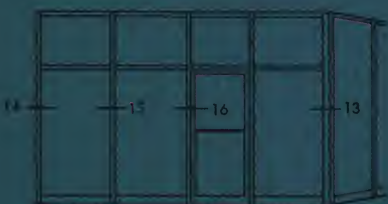
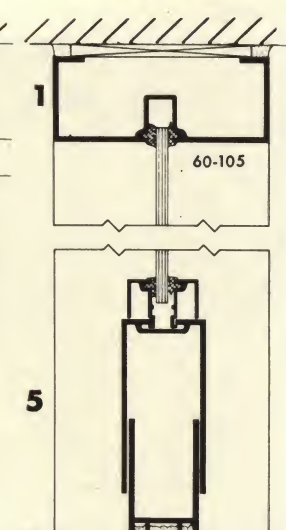
single acting

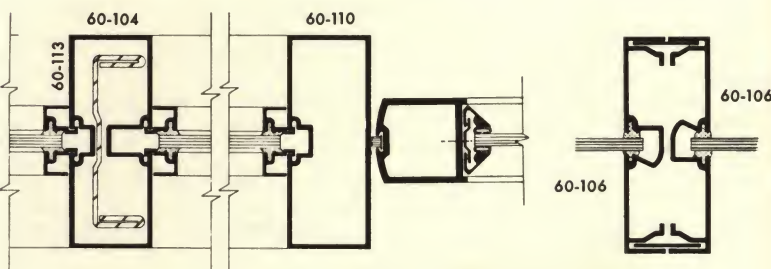
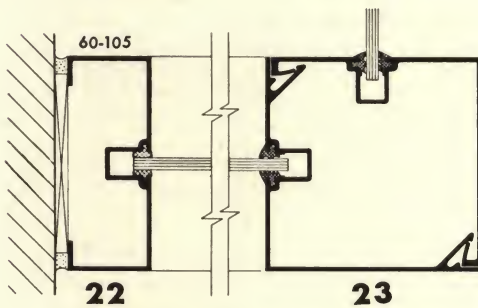
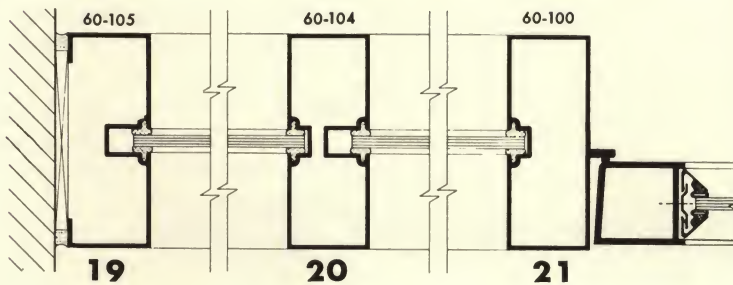
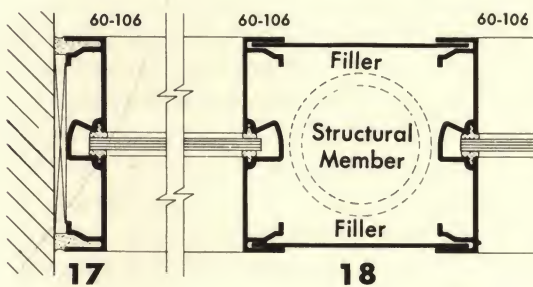
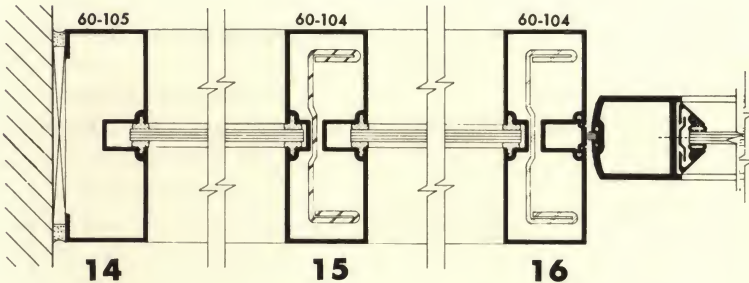


double acting



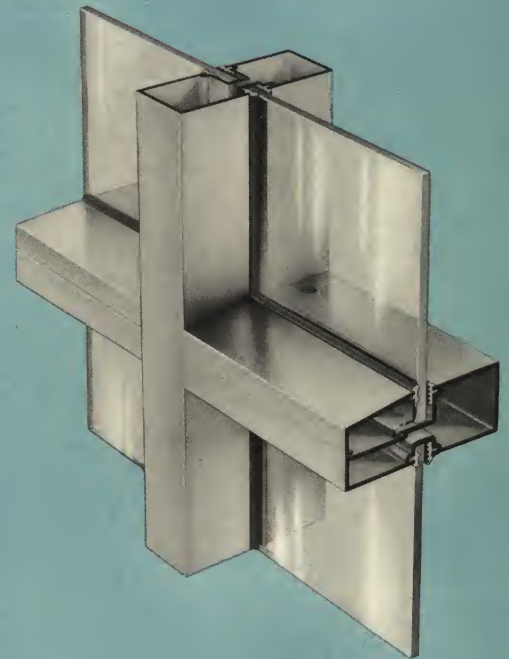
side light base



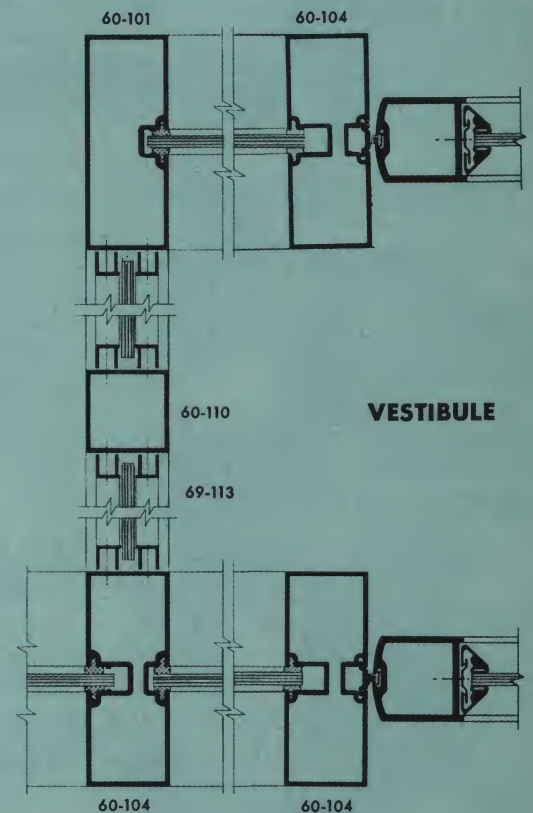


GLASS STOPS OPTIONAL WITH PUTTY
OR VINYL GLAZING

EXPANSION JOINT
USE APPROX. EVERY 30'

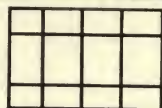
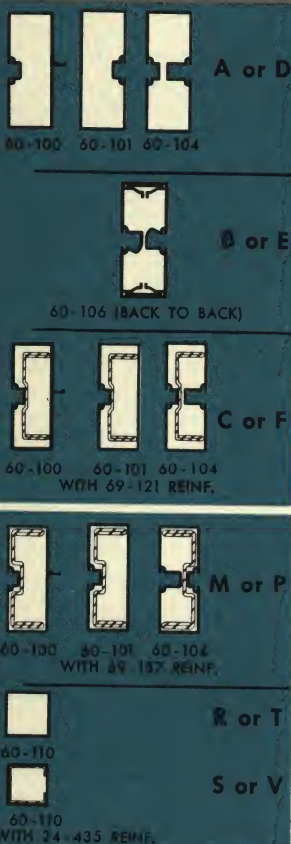


The photo illustrates the flush glazed cleanliness possible with narrow line framing. Note the beveled exterior horizontal stop to keep the weather outdoors.



WIND LIMITATIONS

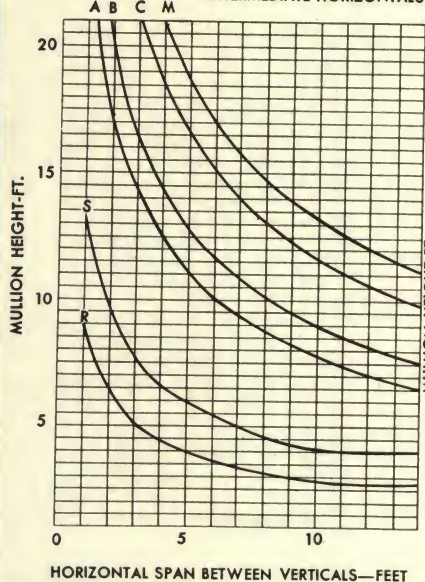
VERTICAL—Mullion spacing vs glass heights



Verticals
with
Intermediate
Horizontals

1. Select vertical member and use Chart No. 1.
2. Select horizontal and use Chart No. 3, 4 or 5 to verify.

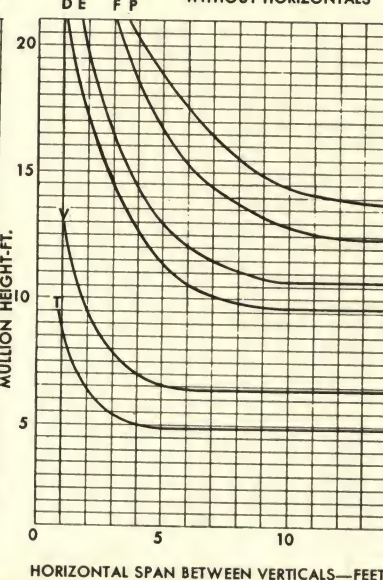
CHART 1 USED VERTICALLY WITH INTERMEDIATE HORIZONTALS



Verticals
without
Horizontals

1. Select vertical member and use Chart No. 2.

CHART 2 VERTICAL LIMITATIONS WITHOUT HORIZONTALS



NOTES:

Curves based upon 15 lb. per sq. ft. or 65 mph wind-load. Curves for horizontal members are based on $\frac{1}{4}$ " plate glass supported at the quarter points, with $\frac{1}{8}$ " allowable deflection at the midpoint.

Curves for vertical members are based on the allowable stress.

HORIZONTAL—horizontal span vs glass height and deflection

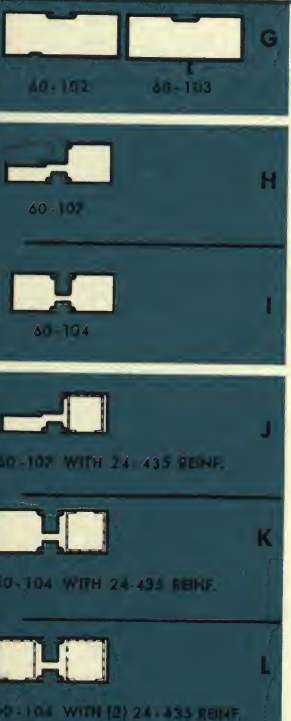
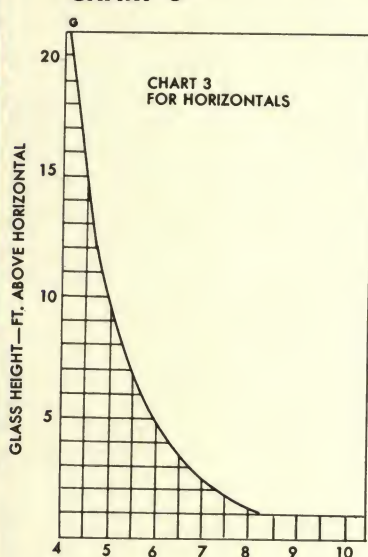
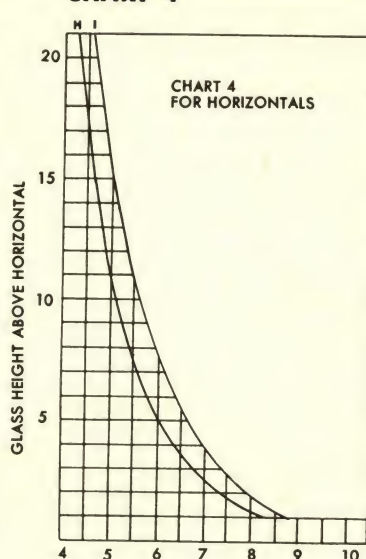


CHART 3



HORIZONTAL-Feet
Transom bar deflection
allowance $\frac{1}{16}$ "

CHART 4

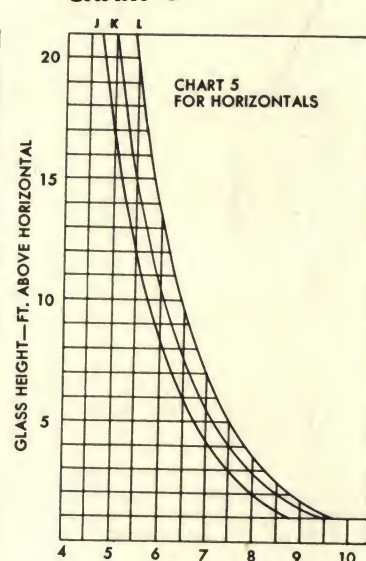


HORIZONTAL-Feet WITHOUT
REINFORCING

Horizontal deflection allowance $\frac{1}{8}$ ".

For horizontals located over doors take $\frac{1}{2}$ of height for a given span based on maximum deflection of $\frac{1}{16}$ ".

CHART 5



HORIZONTAL-Feet WITH REINFORCING



SPECIFICATIONS—for glazed entrance walls

1. GENERAL CONDITIONS:

The general conditions of the contract for the construction of buildings, standard form of the American Institute of Architects and the supplementary general conditions are part of this specification.

2. SCOPE:

Furnish labor, material and other services to complete the fabrication and installation of Narrow Line Flush Glazing System and accessory systems as shown on the drawings.

3. WORK REQUIRED:

Aluminum Narrow Line System and related items shall be as manufactured by the Kawneer Company, Niles, Michigan; Richmond, California; and Toronto, Ontario, Canada.

4. WORK NOT INCLUDED:

Glass and glazing will be done under "Glass and Glazing Section" of these specifications.

5. MATERIALS:

Sections shall be extruded from 6063-T5 aluminum alloy (A.S.T.M., B221-54T alloy GS10A-T5).

Sections shall be formed true to details with clean, straight, sharply defined profiles, and free from defects impairing strength or durability.

Major portions of the framing extrusions shall be not less than .093" in thickness and glazing moldings shall be not less than .060" thick. In all cases, the above shall fall within commercial tolerances. Screws, nuts, washers, bolts, rivets, clips and other miscellaneous fastening devices shall be of aluminum, stainless steel or other corrosive resistant materials.

Vinyl used for glazing shall be light gray in color and closely match the extruded aluminum in color.

6. WORKMANSHIP:

Aluminum Narrow Line shall be so fabricated that when field assembled, joints will be accurately fitted and securely joined to make a tightly closed joint.

7. FINISH:

All exposed materials specified in this Section shall be polished to a mirror-like surface, free from defects, or other surface blemishes and shall be given an anodic oxide treatment in accordance with Alcoa Specification "Alumilite 204A1 R1." (30 minute). Samples of finish shall be submitted for approval by the architect.

8. SHOP DRAWINGS:

Before executing any of the work in the contract, if requested by the architect, this contractor shall prepare and submit complete shop drawings, in triplicate, for approval.

9. PREPARATION FOR ERECTION:

Where aluminum is to be placed in contact with steel, concrete, cinder block, tile, plaster or other similar masonry construction, the aluminum shall be back painted before erection with an approved bituminous paint.

10. ERECTION:

All items under this heading shall be installed in prepared openings to be set plumb, square, level and at their proper elevation and plane and located in proper alignment with all work, according to the manufacturer's recommended installation instructions. All members shall be securely anchored.

No applied glass stops shall be permissible except at the transom bar above an entrance unit. Exposed screws to fasten these glass stops in place are not permitted. All glazing shall be flush including the horizontal muntins and sill. The sill and horizontal members shall have a snap-in face member that slopes to the exterior to provide adequate run-off of water. Butt joints of horizontal and vertical members shall be made with one piece contour type clips with sufficient area to apply mastic to give the best watertight joint.

Glass shall be held in place with two vinyl glazing members. One will be prefixed in position in the flush glazing pocket, the other to be rolled in place after the glass is installed to provide a watertight, resilient type setting.

An expansion mullion shall be provided for every 20 lineal feet of continuous glass area.

All joints between the metal and masonry shall be fully caulked in order to secure a watertight job. Joints shall be neatly pointed and excess material removed.

After erection, the General Contractor shall adequately protect all exposed portions of the aluminum parts from damage by grinding and polishing machines, plaster, lime, acid, cement or other harmful compounds.

11. CLEANING:

The General Contractor shall be responsible for removal of protective materials and cleaning of aluminum.

All aluminum shall be thoroughly cleaned with plain water or a petroleum product such as white gasoline, kerosene or distillate. No abrasive cleaning agents shall be used. The General Contractor shall be held responsible for damages resulting from the use of other cleaning materials.

NOTE: See separate additional specifications for Entrances, Color Wall, etc. to be used in conjunction with this system.

KAWNEER narrow line

STOCK ENTRANCES with concealed overhead closer

The new Kawneer Entrance—door, frame and new concealed overhead closer—all in one package, satisfies practically all functional requirements. Because it is center hung, the one door can be used either double or single acting, swinging right or left.

All this for the price of a conventional single acting door.



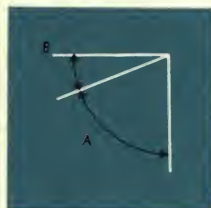
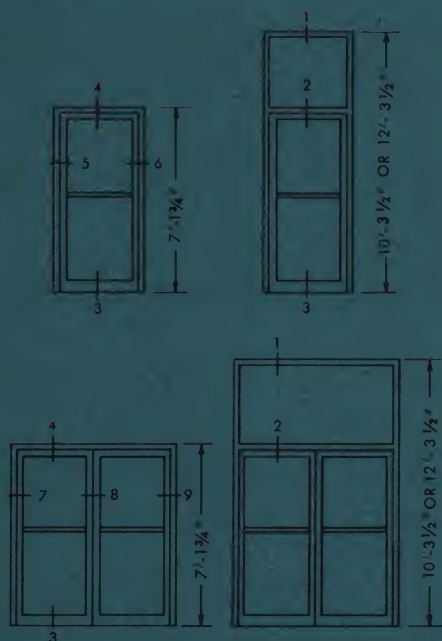
Entranceways of true architectural beauty. Nothing projects out or down to clash with crisp, orderly design. There are no surface mounted checking mechanisms to detract from the sleek simplicity of classic "narrow line" construction. No jutting arms, exposed offset pivots or conventional butt hinges.



Speed adjustments are easy.

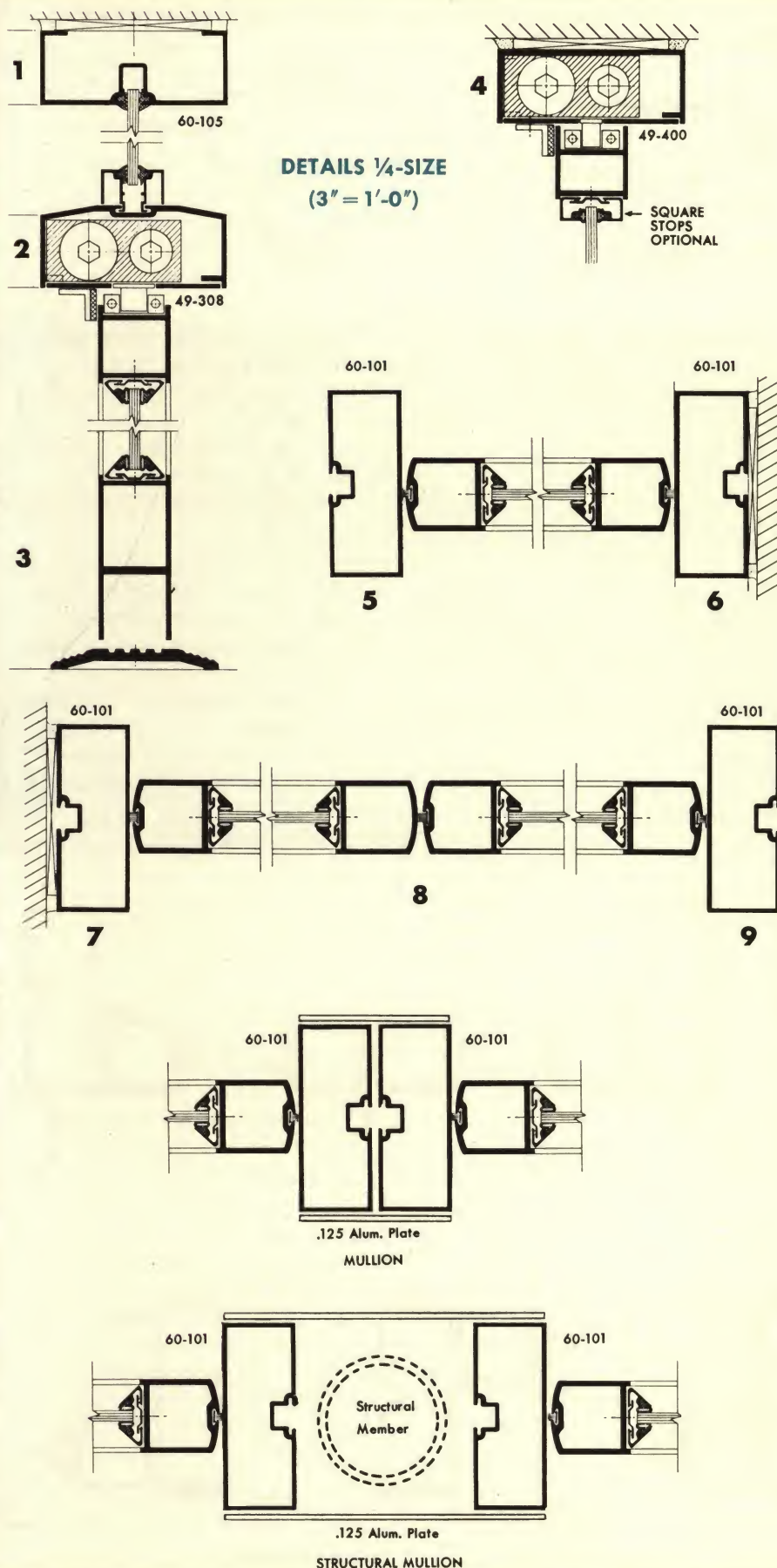
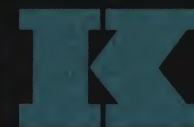


Built-in hold-open feature.



Although combined spring and hydraulic operation, the checking mechanism of the Kawneer closer has independent adjustments for (a) closing speed and (b) latching (dampening) speed. It also has a special spring tension adjustment—independent of the hydraulic action of the other two speeds—for severe wind conditions.

Door has either 90° or 105° hold-open that holds door open automatically, without special adjustments in head jamb or rail. Also available without hold-open.



HARDWARE ON SINGLE DOOR INSTALLATION

1. (2) push bars—Style A, B, C, D, M, K or G
2. $1\frac{5}{32}$ " cylinder deadbolt MS lock
3. Threshold
4. Bottom center pivot
5. Concealed Overhead closer
(See Schedule below)
6. Weathered pile on vertical stiles
7. Door stop on frame for single acting door

HARDWARE ON PAIR OF DOORS INSTALLATION

1. (4) Push bars—Style A, B, C, M, K or G
2. 1 $\frac{5}{32}$ " cylinder deadbolt MS lock
3. Threshold
4. (2) Bottom center pivots
5. (2) Concealed Overhead Closers
(See Schedule below)
6. Pair flush bolts
7. Weathered pile on vertical stiles.
8. Door stops on frame for single acting door

FOR STANDARD OR OPTIONAL HARDWARE

SEE PAGES 20-23

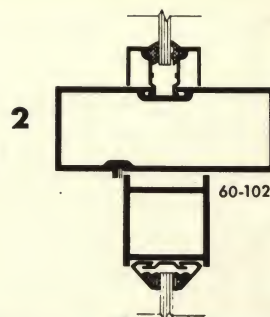
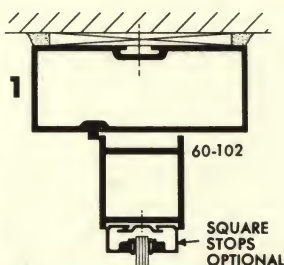
Closer Schedule

Door Opening Size	Frame Size	Masonry Opening Size	Overhead Concealed Closer Type and Number
5'0" x 7'0"	5'3½" x 7'1¼"	5'4" x 7'2"	No hold-open 624 90° hold-open 625 105° hold-open 626
6'0" x 7'0"	6'3½" x 7'1¼"	6'4" x 7'2"	No hold-open 627 90° hold-open 628 105° hold-open 629
3'0" x 7'0"	3'3½" x 7'1¼"	3'4" x 7'2"	No hold-open 627 90° hold-open 628 105° hold-open 629
3'6" x 7'0"	3'9½" x 7'1¼"	3'10" x 7'2"	No hold-open 630 90° hold-open 631 105° hold-open 632
Special Door Widths over 3'6" to 4'0" max.			No hold-open 633 90° hold-open 634 105° hold-open 635
	Also 10'3½" and 12'3½" heights	Also 10'3¾" and 12'3¾" heights	

STOCK ENTRANCES—with surface or floor closer

Double Acting

For other Double Acting Sections refer to page 11.



DETAILS 1/4-SIZE
(3" = 1'-0")

HARDWARE ON SINGLE DOOR INSTALLATION

- *1. Push bar—Style A, B, C, D, M, K or G
 2. Pull handle—Style A, B, C, D, M, K or G
 3. 1 1/2" cylinder deadbolt MS lock
 4. Threshold
 - *5. Offset pivot or butt hinges
 6. Floor or overhead closer (Hold open feature optional)
- *For double acting door, use (2) push bars and top center pivot.

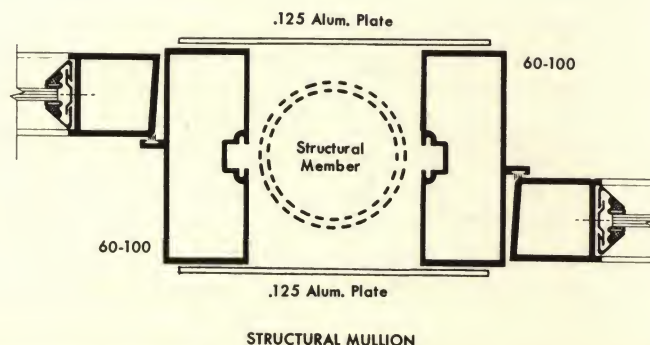
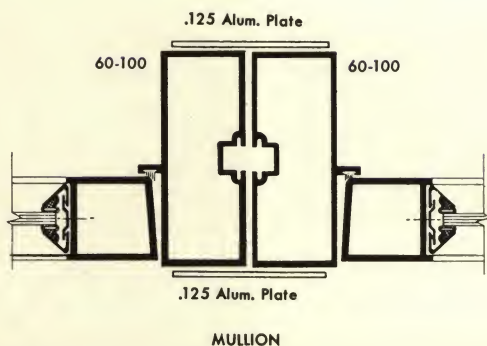
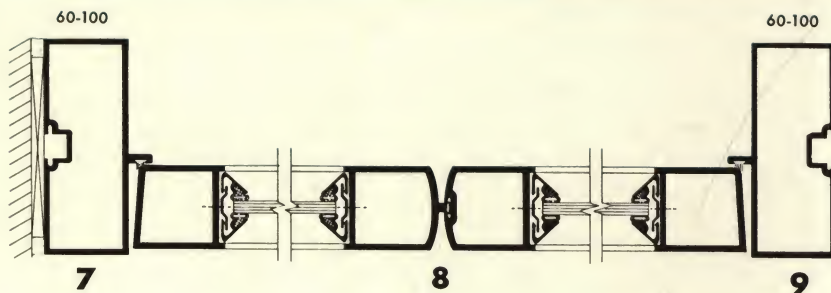
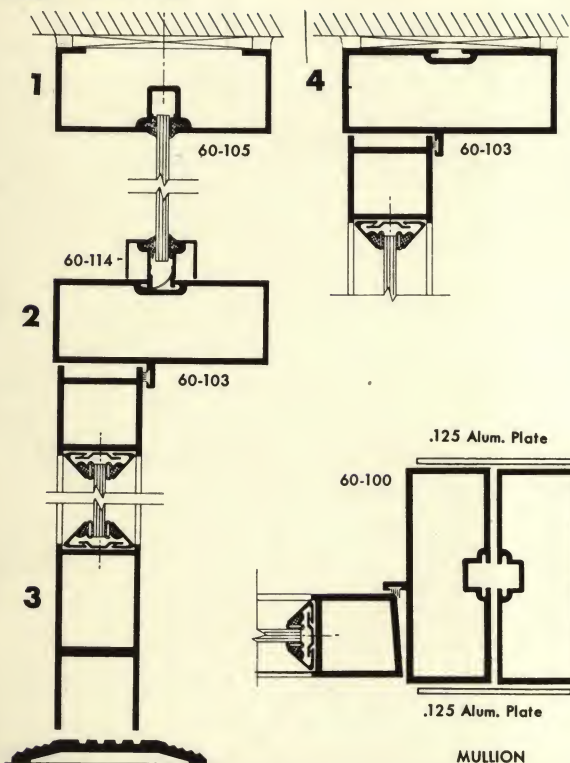
HARDWARE ON PAIR OF DOORS INSTALLATION

- *1. (2) Push bars—Style A, B, C, D, M, K or G
2. (2) Pull Handles—Style A, B, C, D, M, K or G
3. 1 1/2" cylinder deadbolt MS lock
4. Threshold
- *5. Offset pivots or butt hinges
6. (2) Floor or overhead closers (Hold open feature optional)
7. Pair flush bolts
8. Weathering pile for meeting stiles

*For double acting doors use (4) push bars and (2) top center pivots.

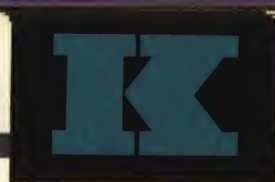
For standard and Optional Hardware See Page 20-23

Single Acting



MULLION

STRUCTURAL MULLION

**SPECIFICATION — narrow line stock entrances**

NOTE: The following items shall be added to the General Specifications for Narrow Line on Page 9.

3. WORK REQUIRED:

Aluminum narrow line entrance doors, frames, transoms, side lights, trim moldings and other related items, shall be as manufactured by Kawneer Company, Niles, Michigan; Richmond, California; and Toronto, Ontario, Canada.

5. MATERIALS:

Major portions of the door stiles shall be not less than .125" in thickness with door glazing moldings not less than .050" thick. Transom bars shall be not less than .125".

6. WORKMANSHIP:

Corners of doors shall be accurately joined and fitted to flush hairline joints, and welded along the concealed lines of contact. All welding shall be on unexposed sides in order to prevent pitting, discoloration, weld halo or other surface imperfections after finishing.

The weld shall thoroughly penetrate the material and produce a complete fusion of metal between stiles and rails. Mechanically joined corners, or those developed by tie rods or superficial surface welding shall not be permitted.

Bottom rail of door shall be a single extruded section, joined and fitted to a flush hairline joint and welded along the concealed lines of contact.

Glazing stops for doors shall be a snap-in type with neoprene bulb-type glazing and no exposed screws shall be required to secure them in place. Stops on exterior side shall be a lock-in tamperproof type.

Each door leaf shall be equipped with an adjusting mechanism located in the top rail near the lock stile which will provide for minor clearance adjustments after installation.

Entrances shall be weatherstripped on three sides and at meeting rails of pairs with metal backed pile cloth installed in the door and/or frame. The bottom of the entrance may also be weathered by applying a vinyl sweep strip to the door.

All cutouts, recesses, mortising or milling operations required for hardware shall be accurately made and reinforced with backing plates as required to insure adequate strength of the connection.

Doors and operating transoms shall be accurately fitted to the frames.

10. ERECTION:

After erection and glazing, this Contractor shall

check and readjust as required all items of operating hardware on doors installed under this Section.

12. HARDWARE:

Hardware for aluminum entrances shall be furnished by the door manufacturer.

Finish of hardware shall closely match the finish of the doors.

Doors shall be equipped with the door manufacturer's standard items of hardware as follows:

NOTE: Select items of hardware from this Catalog (Pages 11, 12, 14, 17, 20, 21, 22, 23) and list here by name and number.

(Additional Specification for Kawneer Concealed Overhead Closer)

The completely concealed double acting overhead closer shall be as manufactured by Kawneer Company. The closer shall be of rack and pinion construction with fully enclosed spring. It is available with built-in hold-open device at 90° or 105° (specify degree) or with no hold-open. Applied hold-open devices will not be acceptable.

Door closer shall have a positive adjustable two-speed closing action easily regulated after installation. Spring adjustment where required shall be accessible after installation. The proper sized closer shall be furnished for each door according to the schedule (specify type and size), and installed in strict accordance with manufacturer's recommendations.

NOTE: If single acting operation is desired, a door stop will be applied to the frame.

12a. Alternate HARDWARE Clause:

Hardware for aluminum entrances is specified under "Hardware Section" of the Specifications, and shall be furnished to the door manufacturer for installation at the factory. Templates of all hardware shall be furnished to the door manufacturer by the Hardware Contractor. Hardware manufacturer shall assume responsibility for correctness of templates if door manufacturer is to fabricate from hardware template.

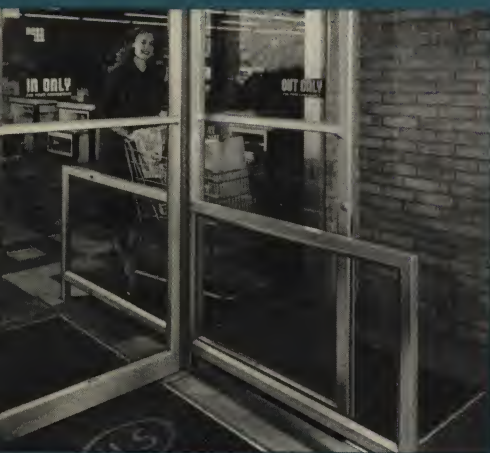
AUTOMATIC ENTRANCES

DETAILS 1/4-SIZE

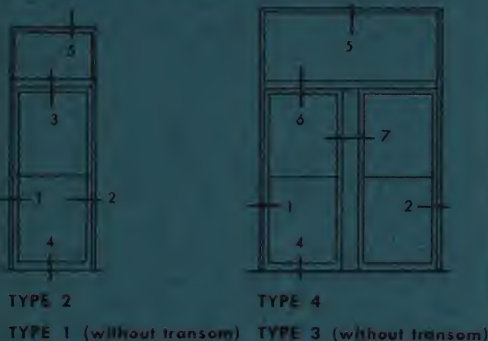
(3" = 1'-0")

Here is the first automatic entrance that comes as a complete package ... ready to install, and offering the following quality features:

- electrically controlled
- trim appearance - entire unit concealed in transom bar
- quiet operation
- safety features
 - Protector frame
 - Panic break-a-way
- easily serviced by the authorized Kawneer dealer



STANDARD TYPES



TYPES 5 AND 6 INCLUDE MANUAL "IN" DOOR AND AUTOMATIC "OUT" DOOR.

NARROW LINE FRAME WITH PROTECTOR DEVICE

CONTROL SWITCHES ON JAMB 66" FROM FLOOR LEVEL

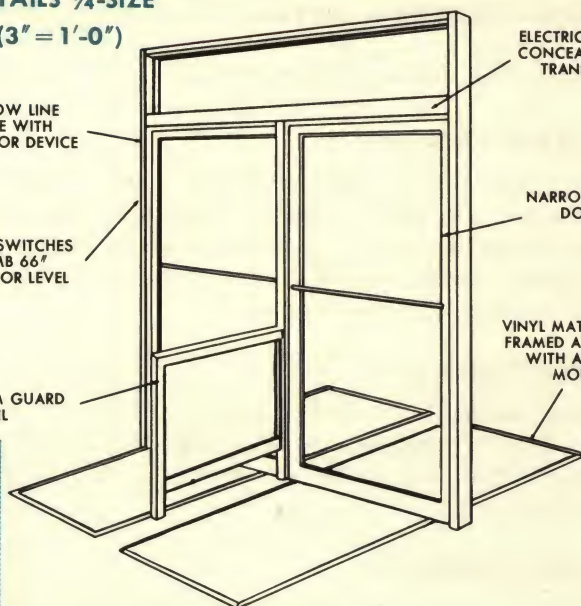
ALUMINUM GUARD RAIL



ELECTRIC OPERATOR CONCEALED IN 4 1/2" TRANSOM BAR

NARROW STILE DOOR

VINYL MAT 100" LONG FRAMED AT ALL EDGES WITH ALUMINUM MOLDING



SPECIFICATIONS—Automatic Entrance

NOTE: The following items shall be added to the General Specifications for Narrow Line on Page 9 and Narrow Line Entrance on Page 13.

3. WORK REQUIRED:

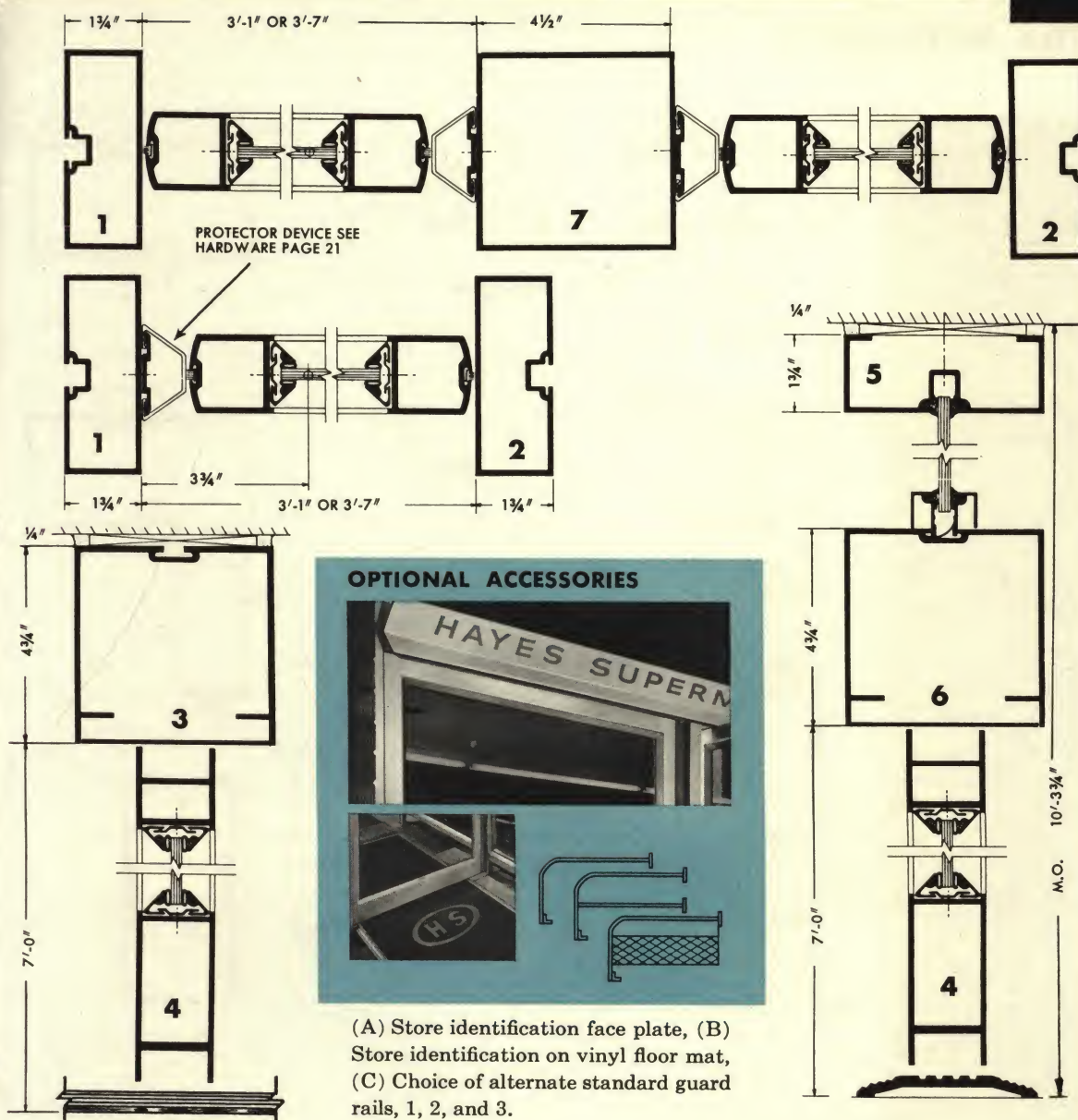
The Automatic Entrance unit(s) consisting of Aluminum Narrow Line Door(s) and Frame(s) and Electric Door Operator(s), shall be as manufactured by the Kawneer Company, Niles, Michigan; Richmond, California; and Toronto, Ontario, Canada.

The frame shall contain the operator and all necessary wiring, equipment and switches for the control and operation of the operator. A grounded plug extending from the frame shall be provided for connection to the building electrical system. To prevent finger accidents, a collapsible neoprene protector molding shall be provided on the pivot jamb.

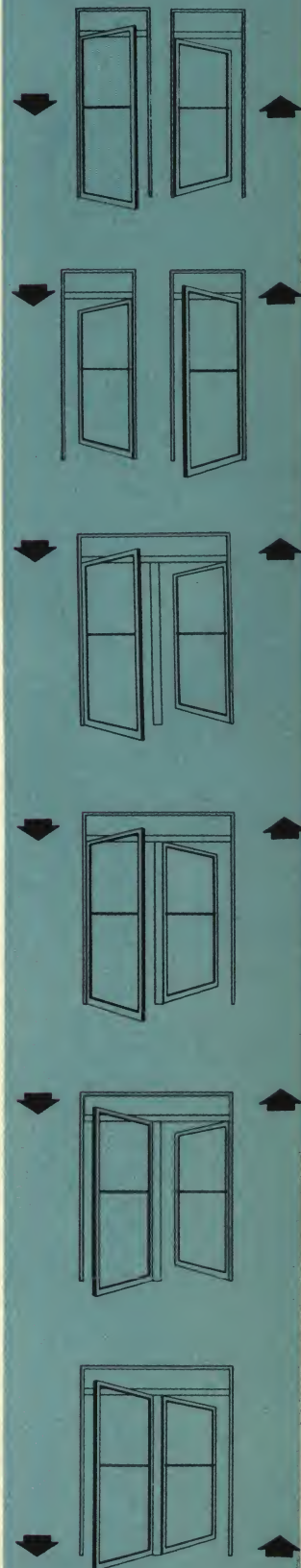
The operating mechanism shall be completely electric with no hydraulic or pneumatic components or attachments and shall be electrically powered in both the opening and closing cycles. The operator shall be completely concealed within the transom bar or frame header and shall require no special floor or structural alterations or preparation. Both entrance and exit doors shall operate in the exit direction with power on or power off. No mechanical or electrical adjustments shall be necessary to restore normal operation after power failure or after operation in the panic exit direction. Three control switches shall be provided in the frame to give: (1) Automatic operation by mat actuation, (2) Positive hold-open at 90° and (3) Normal checking action with manual operation. The mat shall be of bonded vinyl construction including an actuating and a safety side.

4. WORK NOT INCLUDED:

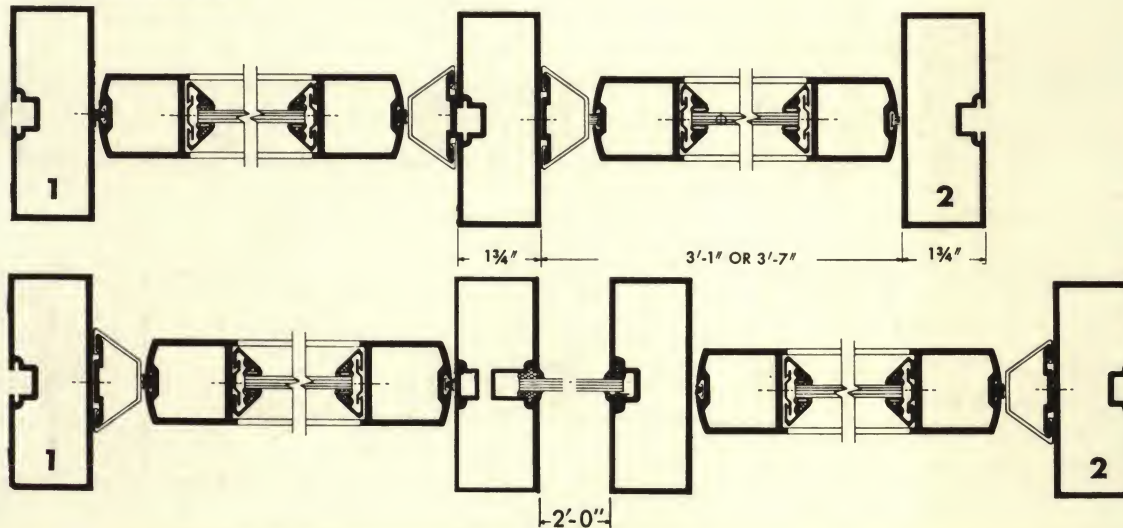
A three-wire grounding outlet supplying 115 volt 60 cycle alternating current (350 watts per operator) shall be provided by others. This outlet shall be located within eight inches of the frame outlet and to the interior side of the frame.



VARIOUS ARRANGEMENTS (INTERIOR VIEW)



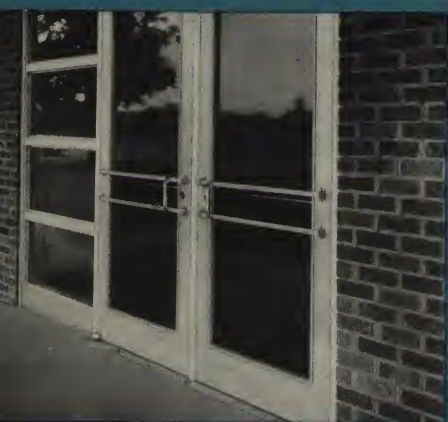
OPTIONAL DETAILS



KAWNEER narrow line

WIDE STILE ENTRANCES

For those school projects which dictate use of an extra heavy duty door specify Kawneer deep weld wide stile doors. Designed for use—engineered to last. The wide stile door will accommodate any panic exit hardware—concealed or surface applied—that is available today.



SINGLE ACTING

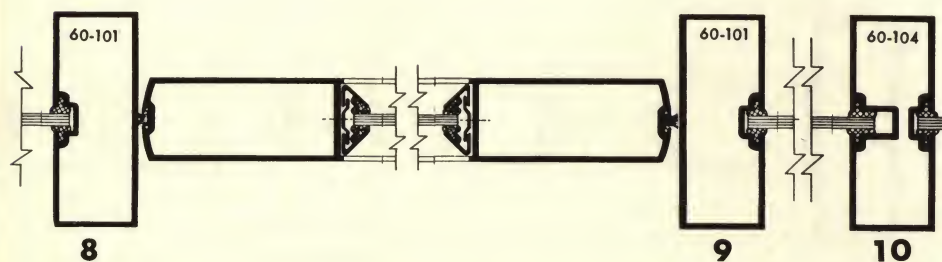
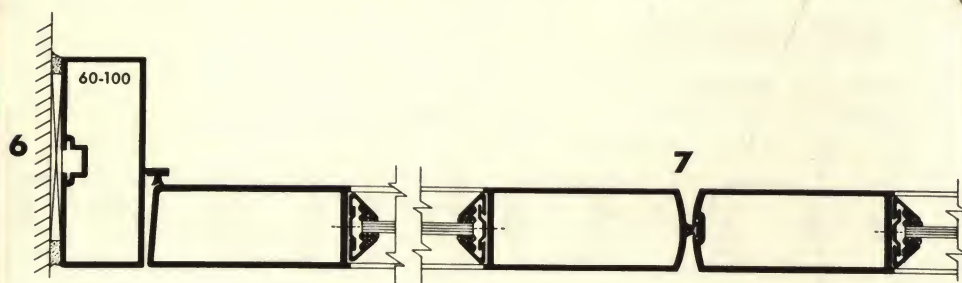
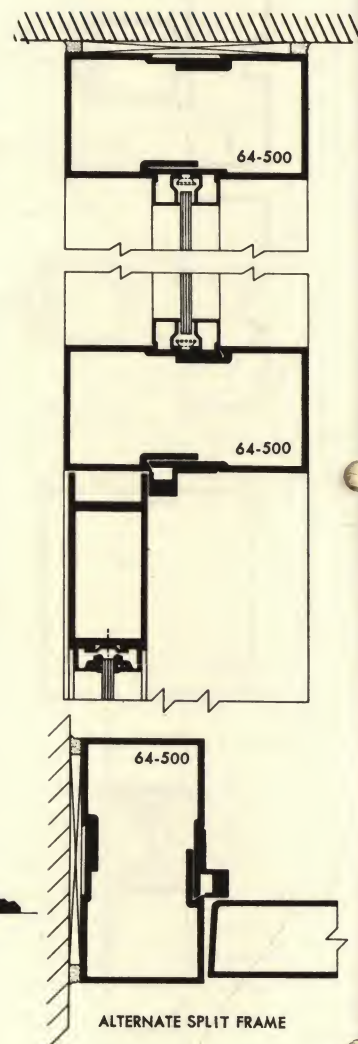
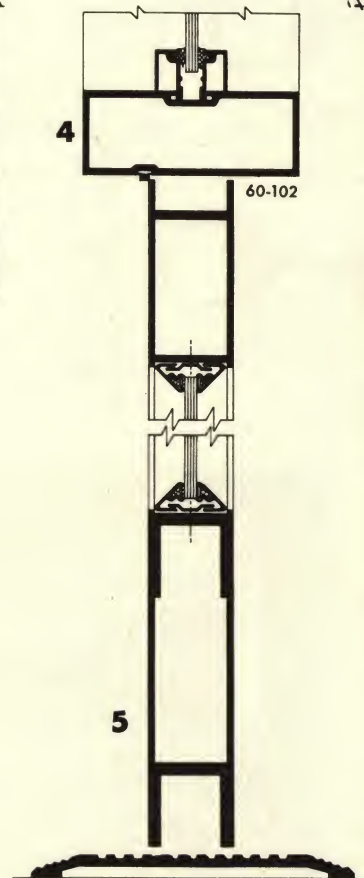
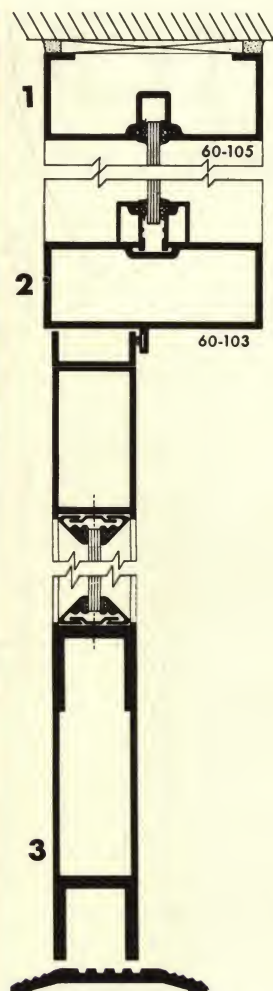


DOUBLE ACTING



SINGLE ACTING

DETAILS 1/4-SIZE
(3" = 1'-0")



HARDWARE ON SINGLE DOOR INSTALLATION

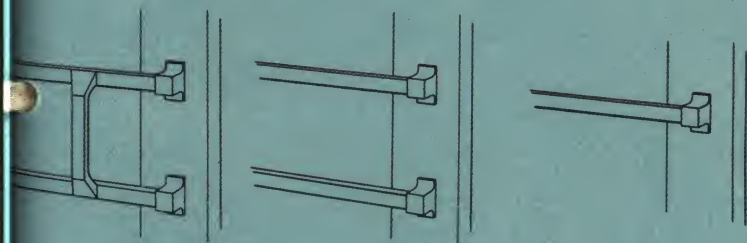
- *1. Push bar—Style A, B, D, M, G or H
 2. Pull handle—Style A, B, D, M, G or H
 3. 1½" cylinder deadbolt MS lock
 4. Threshold
 - *5. Offset pivot or butt hinges
 6. Concealed Overhead, floor or surface overhead closer
(Hold open feature optional)
- *For double acting door use (2) push bars and center pivot.

HARDWARE ON PAIR OF DOORS INSTALLATION

- *1. (2) Push bars—Style A, B, D, M, G or H
 2. (2) Pull handles—Style A, B, D, M, G or H
 3. 1½" cylinder deadbolt MS lock
 4. Threshold
 - *5. Offset Pivots or Butt Hinges
 6. (2) Concealed Overhead, Floor or Surface Overhead Closers
(Hold open feature optional)
 7. Pair flush bolts
 8. Weathered pile on meeting stiles
- *For double acting door use (4) push bars and center pivots.

For further selection of standard or optional hardware see Pages 20-23.

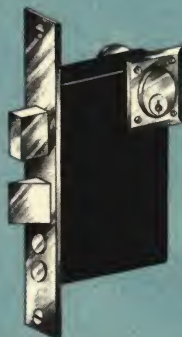
**FOR FURTHER SELECTION OF STANDARD
OR OPTIONAL HARDWARE SEE PGS. 20-23**

PUSH-PULL BARS

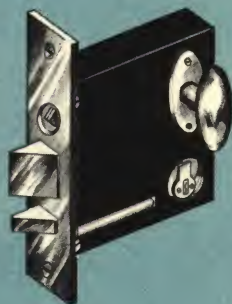
STYLE "H"



37-117

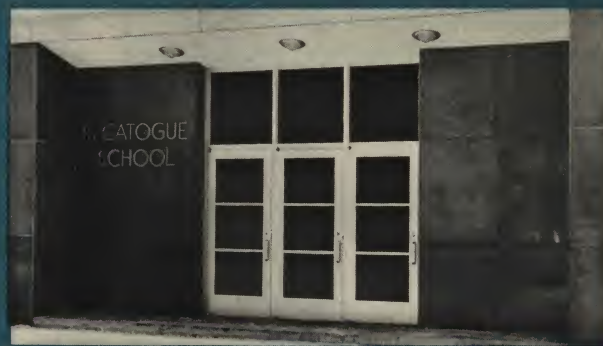


37-131



37-137

The Kawneer Wide Stile Door is ideally suited to the monumental type structure. Whether used in curtain walls or masonry openings, the effect is one of stability and endurance. Whatever your monumental hardware requirements, they may be economically accommodated.

**SPECIFICATIONS—Wide Stile Entrances**

NOTE: The following item shall be added to General Specifications for Narrow Line on Page 9 and Narrow Line Entrances on Page 13.

3. WORK REQUIRED:

Aluminum wide stile entrance doors, frames, transoms, side lights, trim moldings and other related items, shall be as manufactured by Kawneer Company, Niles, Michigan; Richmond, California; and Toronto, Ontario, Canada.

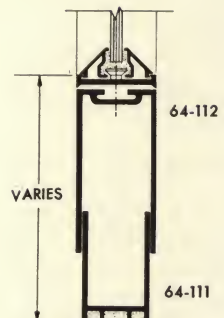
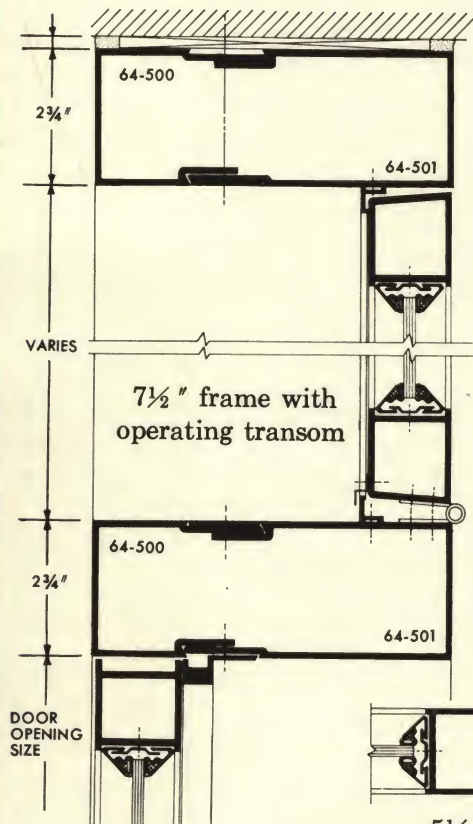
OPTIONAL FRAMES

For your projects requiring more massive frames—because of design or structural requirements—Kawneer offers custom split tube sections. Kawneer offers versatility in framing. In addition to the $1\frac{1}{4} \times 4\frac{1}{2}$ " Narrow Line, you may choose $1\frac{3}{4} \times 4$ " tube or $2\frac{1}{4} \times 5\frac{1}{2}$ ", $7\frac{1}{2}$ " or $9\frac{1}{2}$ " split tube.

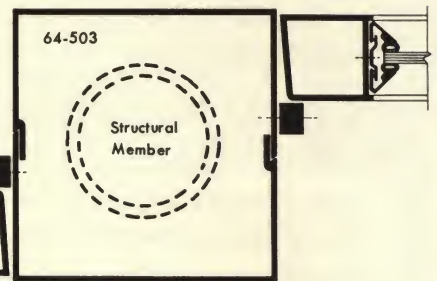


Split Frames $2\frac{3}{4} \times 5\frac{1}{2}$ ", $7\frac{1}{2}$ ", $9\frac{1}{2}$ "

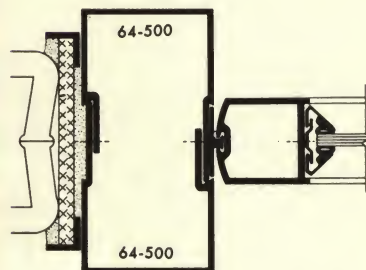
DETAILS $\frac{1}{4}$ -SIZE
(3" = 1'-0")



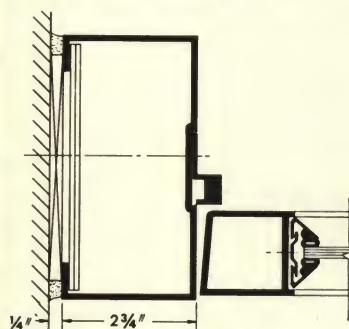
Sidelite Base



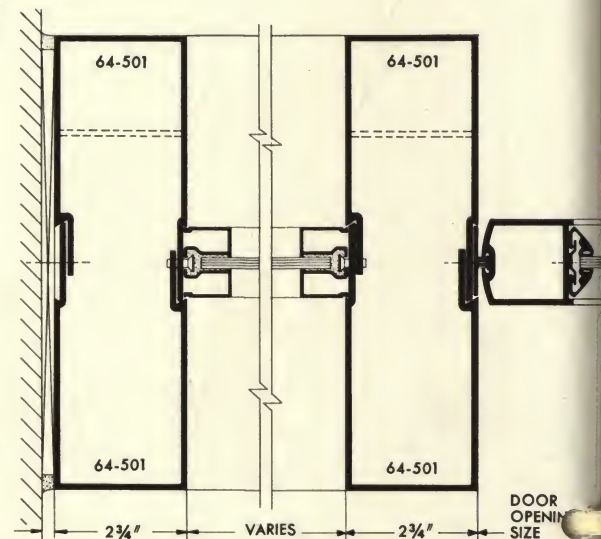
$5\frac{1}{2}$ " post (for corners or enclosing structural members)



$5\frac{1}{2}$ " frame at glass block



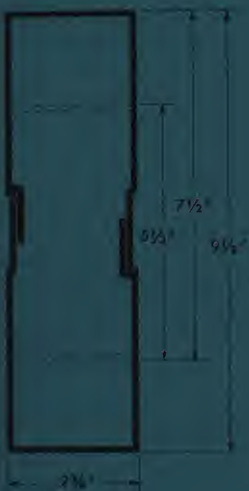
$5\frac{1}{2}$ " open back frame
(use at masonry perimeters)



$9\frac{1}{2}$ " frame at sidelite

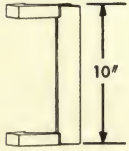
SPLIT

TUBE

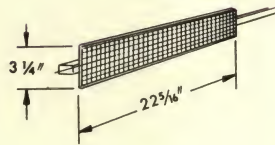
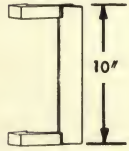


Push and Pull Bars

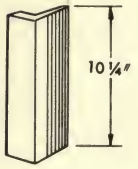
style "A"



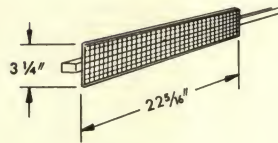
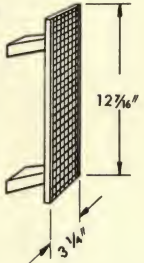
style "B"



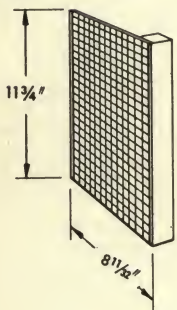
style "C"



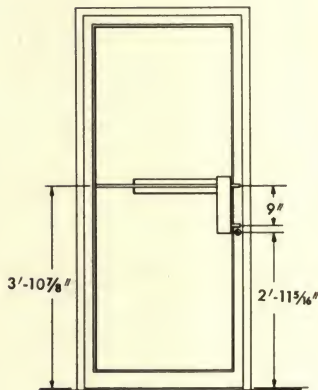
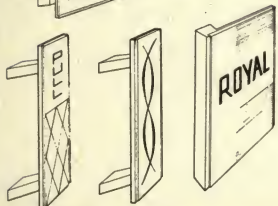
style "D"



style "M"



identification inserts



Locks, Pivots, Butts, Holders

Locks



THUMBTURN
(For MS lock)
37-176



1 1/2" CYLINDER
(For MS lock)
37-175

MAXIMUM
SECURITY LOCK
37-166 LH
37-167 RH
37-168 Round face



DEAD BOLT LOCK
37-163 Round Face
37-164 RH
37-165 LH



THUMBTURN
(for deadbolt
lock 163, 164
and 165)
37-169



1 1/2" CYLINDER
(for deadbolt
lock 163, 164
and 165)
37-172



3/4" CYLINDER
DEAD BOLT LOCK
37-141



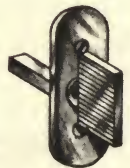
LATCH LOCK
(1 1/2" CYLINDER)
37-157



ELECTRIC STRIKE
37-225

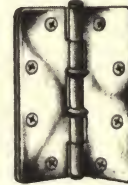


ROLLER LATCH
37-219

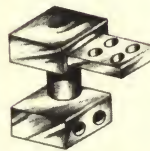


THUMBTURN
47-286

Butt Hinge
37-232

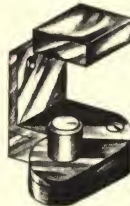


Pivots



TOP OFFSET
FRAME HALF
47-176

DOOR HALF
47-177



BOTTOM
OFFSET
DOOR HALF
47-192 RH
47-193 LH

FRAME
HALF
37-598 RH
37-599 LH



INTERMEDIATE
37-233 RH
37-234 LH



CENTER HUNG TOP

Flush Bolts and Door Holders



CONCEALED
FLUSH BOLT
37-227
Round Face
37-226
Flat Face



FLOOR TYPE
37-214

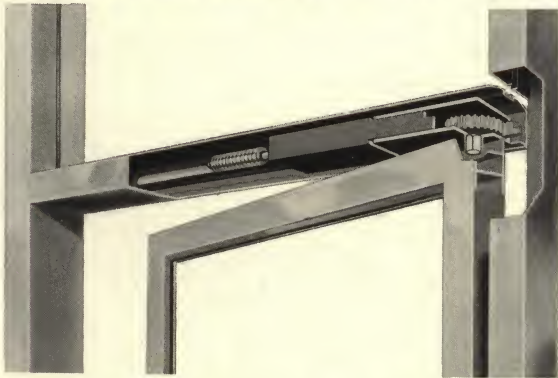


WALL TYPE
37-215



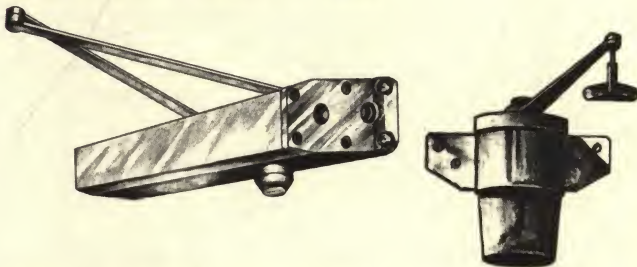
DROP ARM TYPE
37-216

Concealed Overhead Closer



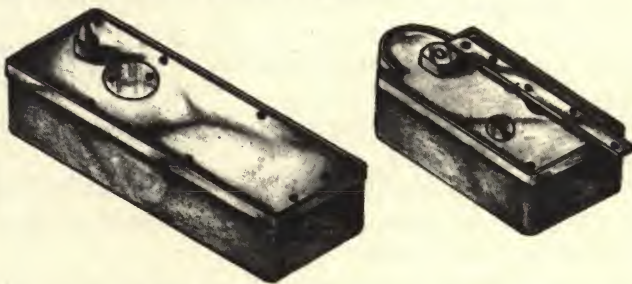
Kawneer's Concealed Overhead Closer is contained entirely within the narrow line ($1\frac{3}{4}$ " high) transom bar and used exclusively with Kawneer doors. See Page 13 for Specifications.

Overhead Door Closer



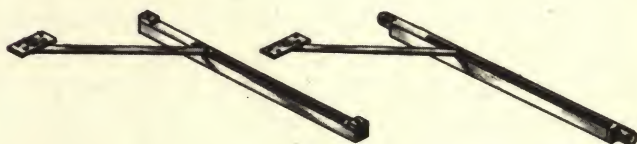
Streamlined and conventional types surface mounted overhead door closers for single acting doors on butt hinges or offset pivots, with or without hold-open feature.

Concealed Floor Closer



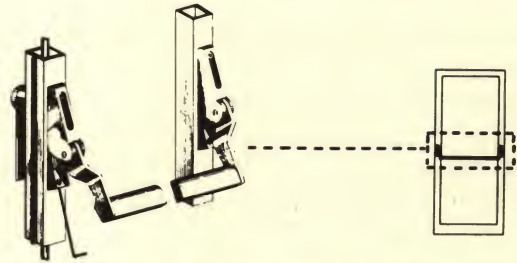
Concealed floor closers, center hung type, for single and double acting doors and offset type for single acting doors, with or without hold-open feature.

Door Holders



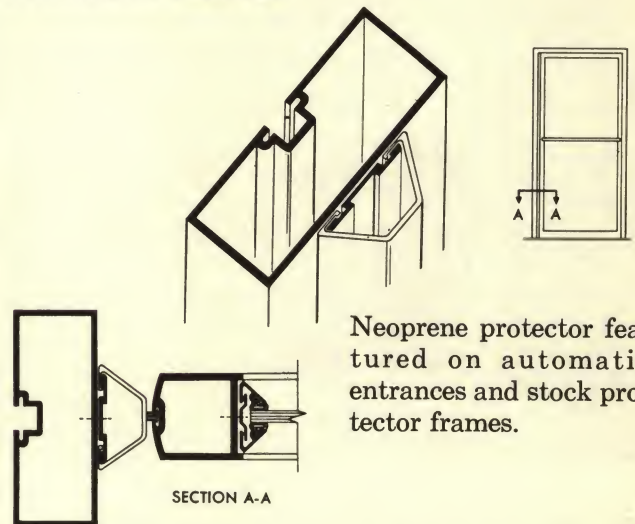
Concealed or surface type auxiliary door holders available.

Panic Device



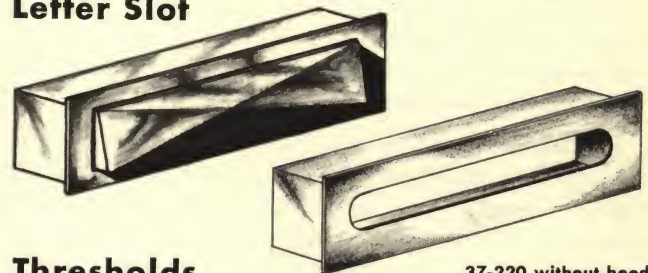
Kawneer Concealed panic exit hardware available on narrow and wide stile doors. See page 22. Surface applied vertical rod or rim types also available.

Protector Device



Neoprene protector featured on automatic entrances and stock protector frames.

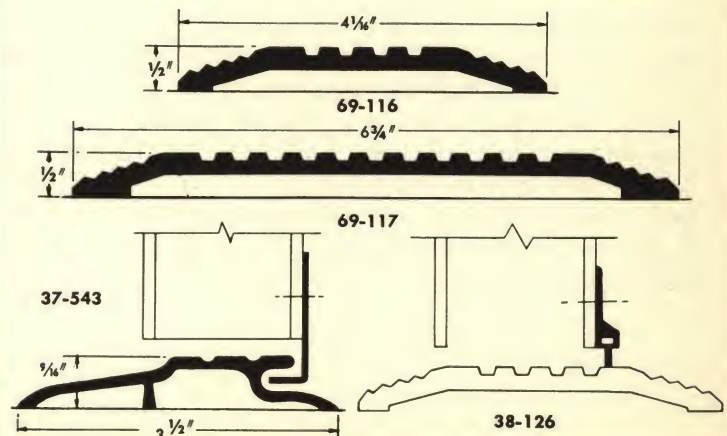
Letter Slot



37-217 with hood

37-220 without hood

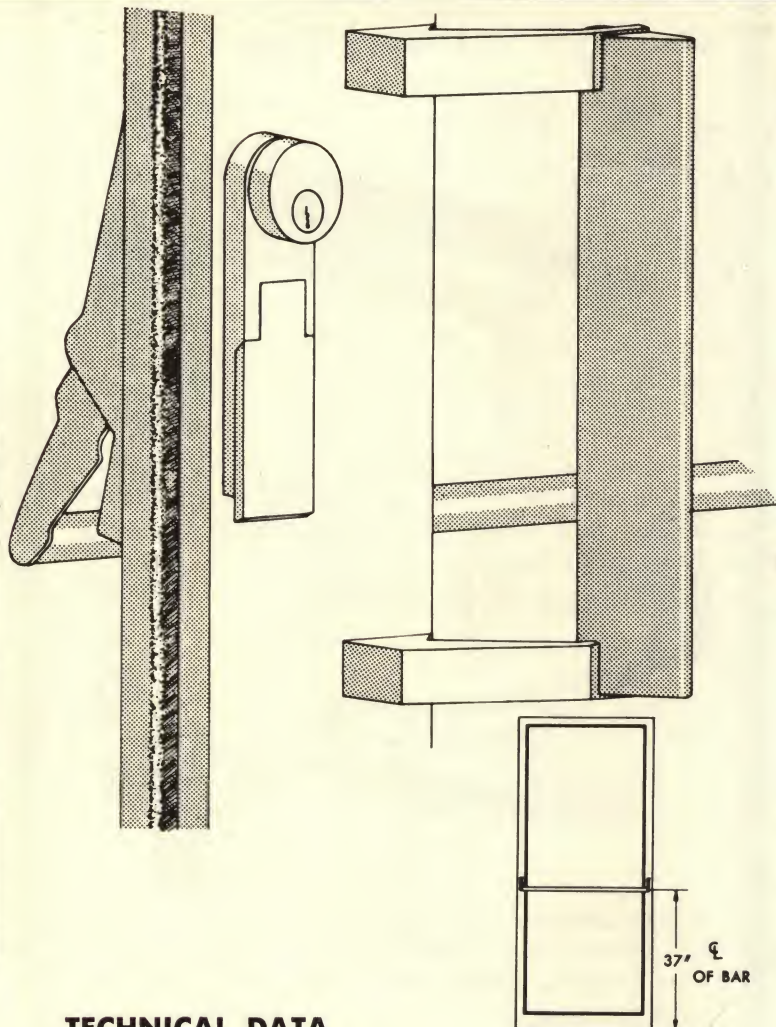
Thresholds



Concealed Panic Device

Designed and engineered by Kawneer for use with Kawneer narrow or wide stile doors—your assurance of performance and finish match.

The Kawneer Concealed Panic device features comparatively low initial cost and fewer parts than most concealed devices—lessening possibility of annoying service requirements.



SPECIFICATION—Concealed Panic Device

NOTE: the following items shall be added to the General Specifications for Narrow Line on Page 9 and either Narrow Line Entrances Page 13 or Wide Stile Entrances Page 17.

12. HARDWARE:

Doors shall be equipped with Kawneer Concealed Panic Hardware as manufactured by Kawneer and applied at the factory. This device shall meet all requirements listed by Underwriters Laboratories, Inc.

The panic mechanism shall be operable by means of a crash bar. The concealed top and bottom bolts shall be retractable and positively dogged when desired to permit unrestricted entry from the outside. Exit from within shall be possible at all times. Lock housing and standard $1\frac{5}{32}$ " mortise type cylinder shall be removable for master keying without dismantling or removing any other parts. A standard Style "A" pull handle shall be furnished for exterior side of door.

TECHNICAL DATA

Crash bar shall be a solid extrusion of aluminum alloy 6063-T5.

Crash bar pivot arm shall be forged of aluminum alloy 6061-T6.

Crash bar housing and lock housing shall be cast from aluminum alloy A214.

Top bolt shall be of stainless steel. The bottom bolt shall be of bronze and vertical bolt rods shall be of galvanized or cadmium plated steel.

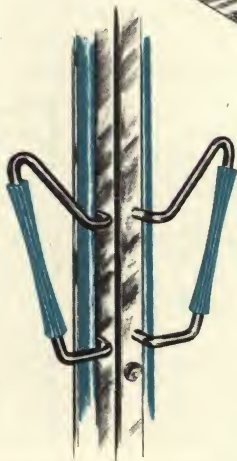
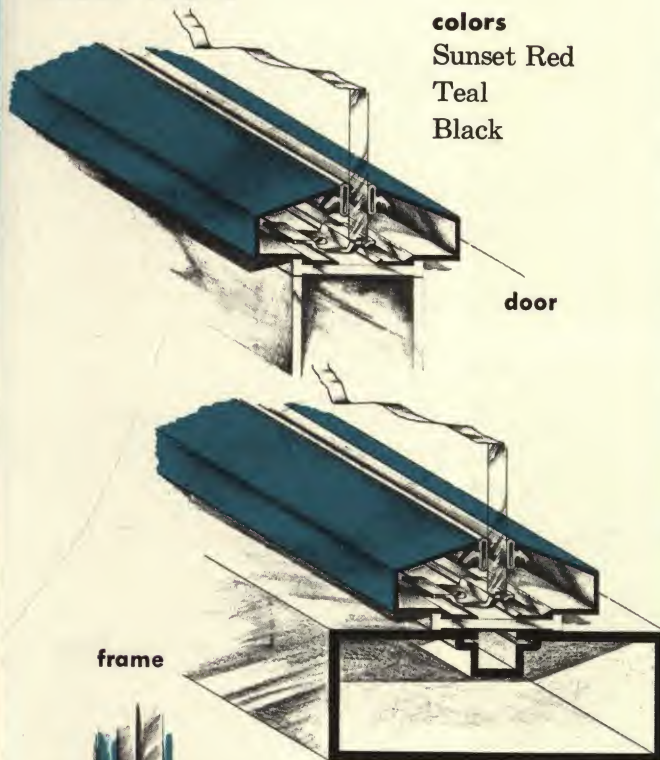
All critical wearing surfaces shall be protected by nylon bearings and bushings.

All exposed screws, miscellaneous fastening devices, and internal components shall be of stainless steel, aluminum or other plated or non-corrosive materials.

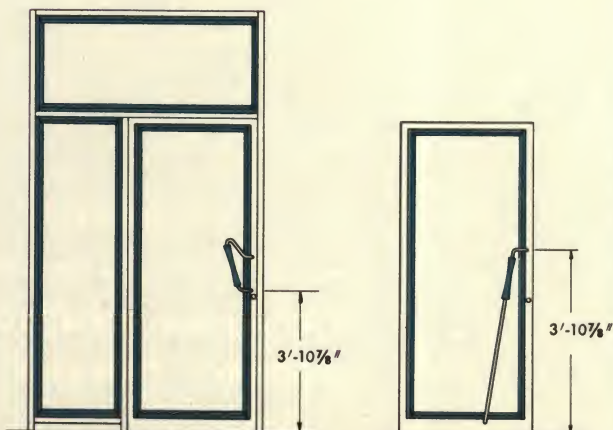
Bolts shall be concealed and shall be retracted and positively dogged by tightening a semi-concealed socket head screw mounted in the crash bar housing. Bottom bolts shall be constructed and installed in the door so as to compensate for any restriction in the threshold or bolt pocket and allow the top bolt to engage independently. Listed by Underwriters Laboratories, Incorporated.

All exposed materials shall be given an anodic oxide treatment in accordance with Alcoa Specification "Alumilite 204 A1 R1."

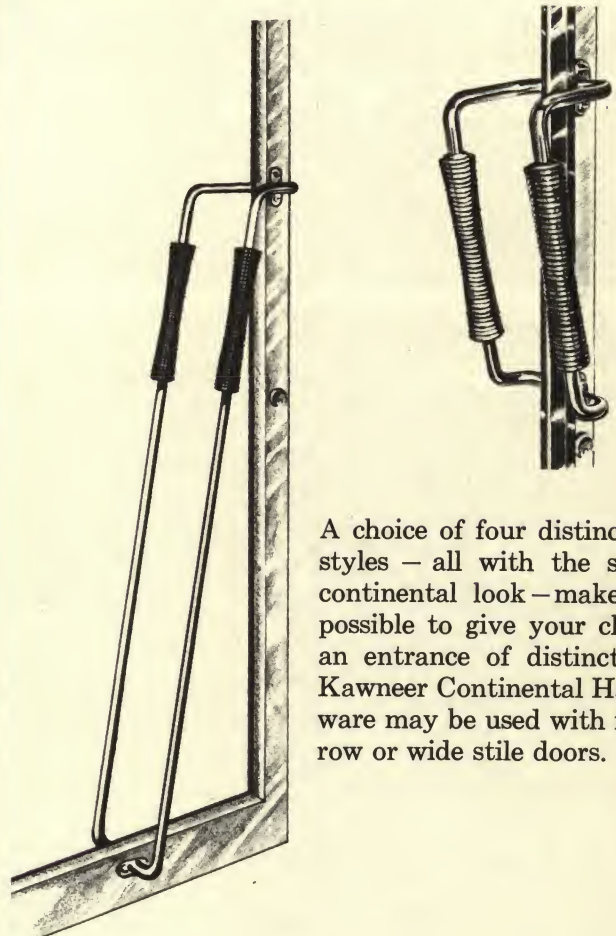
Color Ware



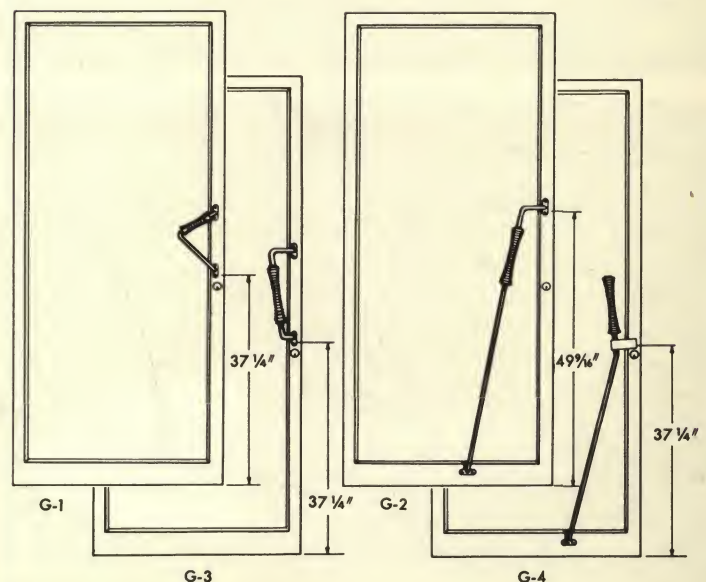
Kawneer Color Ware — beveled glass stops and/or push-pull handles — in a choice of 3 attractive colors. Use for entrance emphasis or as color perimeter for glazed areas. Features neoprene glazing strips for resiliency in setting.



Continental Hardware



A choice of four distinctive styles — all with the sleek continental look — makes it possible to give your client an entrance of distinction. Kawneer Continental Hardware may be used with narrow or wide stile doors.



ALUMINUM ENTRANCES

DISTRICT OFFICES

*Atlanta, Georgia
530 Permalume Place, N.W.
Sycamore 4-9501

*Boston, Massachusetts
255 Corporation Way,
Medford, Mass.
Export 5-7070

***Brooklyn 6, New York
245 Ten Eyck Street
Hyacinth 7-4880

Chicago 30, Illinois
4532 North Elston Avenue
Spring 7-6968

Cincinnati 36, Ohio
7565 Kenwood Road
Rm. 107
Kenwood Center Bldg.
Twins 1-8122

*Cleveland 11, Ohio
4791 W. 105th Street
Orchard 1-1158

*Dallas 35, Texas
8615 Directors Row
Fleurbaey 7-4581

Kansas City 15, Missouri
No. 20 On-the-Mall
Prairie Village
Endicott 2-2318

*Los Angeles 22, California
3000 Supply Avenue
Raymond 3-9171

***Miami 47, Florida
7651 N.W. 25th Avenue
Oxford 1-9131

New York 36, New York
Rm. 2346, 11 W. 43rd St.
Longacre 4-8476

Philadelphia, Pennsylvania
1020 Main St., Dorby, Pa.
Ludlow 3-8600

**Richmond, California
600 Port Blvd.
Beacon 2-1821

Seattle 99, Washington
420 First Avenue, West
Atwater 4-0363

**Toronto, Ontario, Canada
1460 Don Mills Rd.,
Don Mills, Ont.
Hickory 4-1101

**Niles, Michigan
Cynthiana, Kentucky

*Combined Sales Office and Warehouse

**Combined Sales Office and Factory

***Warehouse Only

Serving Architects and Industry since 1906

Other Architectural Products

For other architectural products,
see these Kawneer catalogs
in Sweet's Architectural File:

Aluminum Wall Systems

Section 3a
Ka

Wall Facings

Section 6d
Ka

Aluminum Sealair Windows

Section 17a
Kaw

Aluminum Canopies/Louvers

Section 19e
Ka

Aluminum Store Fronts

Section 21
Kaw

Liho in U.S.A. Form No. 60021

Kawneer
General Offices
NILES, MICHIGAN

ARCHITECTURAL
METAL
PRODUCTS

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CYNTHIANA, KENTUCKY
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